

RAW SEQUENCE LISTING

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Application Serial Number: 10/528,360
Source: PCT
Date Processed by STIC: 02/07/2006

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/528,360

DATE: 02/07/2006

TIME: 13:03:49

C:\2005-09-27_0020-5357PUS1.ST25.txt

Input Set : A:\2003-03-27_0020.raw

3 <110> APPLICANT: SUGIYAMA, Haruo
4 GOTOH, Masashi
5 TAKASU, Hideo
6 SAMIZO, Fumio
7 KUSUNOSE, Naoto
8 NAKATSUKA, Masashi
9
10 <120> TITLE OF INVENTION: SUBSTITUTED TYPE PEPTIDES OF WT1
11 <130> FILE REFERENCE: 0020-5357PUS1
12 <140> CURRENT APPLICATION NUMBER: US 10/528,360
13 <141> CURRENT FILING DATE: 2005-03-18
14 <150> PRIOR APPLICATION NUMBER: PCT/JP2003/011974
15 <151> PRIOR FILING DATE: 2003-09-19
16 <160> NUMBER OF SEQ ID NOS: 26
17 <170> SOFTWARE: PatentIn Ver. 2.1
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 449
20 <212> TYPE: PRT
21 <213> ORGANISM: Homo sapiens
22 <400> SEQUENCE: 1
23 Met Gly Ser Asp Val Arg Asp Leu Asn Ala Leu Leu Pro Ala Val Pro
24 1 5 10 15
25 Ser Leu Gly Gly Gly Gly Cys Ala Leu Pro Val Ser Gly Ala Ala
26 20 25 30
27 Gln Trp Ala Pro Val Leu Asp Phe Ala Pro Pro Gly Ala Ser Ala Tyr
28 35 40 45
29 Pro Pro Pro His Ser Phe Ile Lys Gln Glu Pro Ser Trp Gly Gly
30 50 55 60 80
31 Ala Glu Pro His Glu Glu Gln Cys Leu Ser Ala Phe Thr Val His Phe
32 65 70 75 95
33 Ser Gly Gln Phe Thr Gly Thr Ala Gly Ala Cys Arg Tyr Gly Pro Phe
34 85 90 110
35 Pro Asn Ala Pro Tyr Leu Pro Ser Cys Leu Glu Ser Gln Pro Ala Ile
36 100 105 125
37 Gly Pro Pro Pro Ser Gln Ala Ser Ser Gly Gln Ala Arg Met Phe
38 115 120 140
39 Arg Asn Gln Gly Tyr Ser Thr Val Thr Phe Asp Gly Thr Pro Ser Tyr
40 130 135 155 160
41 Gly His Thr Pro Ser His His Ala Ala Gln Phe Pro Asn His Ser Phe
42 145 150 170 175
43 Lys His Glu Asp Pro Met Gly Gln Gln Gly Ser Leu Gly Glu Gln Gln
44 165 180 185 190

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Input Set : A:\2005-09-27 0020-5357PUS1.ST25.txt
Output Set: N:\CRF4\02012006\J528360.raw

67 Tyr Ser Val Pro Pro Pro Val Tyr Gly Cys His Thr Pro Thr Asp Ser
68 195 200 205
70 Cys Thr Gly Ser Gln Ala Leu Leu Leu Arg Thr Pro Tyr Ser Ser Asp
71 210 215 220
73 Asn Leu Tyr Gln Met Thr Ser Gln Leu Glu Cys Met Thr Trp Asn Gln
74 225 230 235 240
76 Met Asn Leu Gly Ala Thr Leu Lys Gly Val Ala Ala Gly Ser Ser Ser
77 245 250 255
79 Ser Val Lys Trp Thr Glu Gly Gln Ser Asn His Ser Thr Gly Tyr Glu
80 260 265 270
82 Ser Asp Asn His Thr Thr Pro Ile Leu Cys Gly Ala Gln Tyr Arg Ile
83 275 280 285
85 His Thr His Gly Val Phe Arg Gly Ile Gln Asp Val Arg Arg Val Pro
86 290 295 300
88 Gly Val Ala Pro Thr Leu Val Arg Ser Ala Ser Glu Thr Ser Glu Lys
89 305 310 315 320
91 Arg Pro Phe Met Cys Ala Tyr Pro Gly Cys Asn Lys Arg Tyr Phe Lys
92 325 330 335
94 Leu Ser His Leu Gln Met His Ser Arg Lys His Thr Gly Glu Lys Pro
95 340 345 350
97 Tyr Gln Cys Asp Phe Lys Asp Cys Glu Arg Arg Phe Ser Arg Ser Asp
98 355 360 365
100 Gln Leu Lys Arg His Gln Arg Arg His Thr Gly Val Lys Pro Phe Gln
101 370 375 380
103 Cys Lys Thr Cys Gln Arg Lys Phe Ser Arg Ser Asp His Leu Lys Thr
104 385 390 395 400
106 His Thr Arg Thr His Thr Gly Lys Thr Ser Glu Lys Pro Phe Ser Cys
107 405 410 415
109 Arg Trp Pro Ser Cys Gln Lys Lys Phe Ala Arg Ser Asp Glu Leu Val
110 420 425 430
112 Arg His His Asn Met His Gln Arg Asn Met Thr Lys Leu Gln Leu Ala
113 435 440 445

115 Leu

119 <210> SEQ ID NO: 2

120 <211> LENGTH: 9

121 <212> TYPE: PRT

122 <213> ORGANISM: Artificial Sequence

124 <220> FEATURE:

125 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

126 Peptide

128 <400> SEQUENCE: 2

129 Cys Met Thr Trp Asn Gln Met Asn Leu

130 1 5

133 <210> SEQ ID NO: 3

134 <211> LENGTH: 9

135 <212> TYPE: PRT

136 <213> ORGANISM: Artificial Sequence

138 <220> FEATURE:

139 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

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Input Set : A:\2005-09-27 0020-5357PUS1.ST25.txt
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140 Peptide
142 <400> SEQUENCE: 3
143 Cys Tyr Thr Trp Asn Gln Met Asn Leu
144 1 5
147 <210> SEQ ID NO: 4
148 <211> LENGTH: 9
149 <212> TYPE: PRT
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
154 Peptide
156 <220> FEATURE:
157 <221> NAME/KEY: Misc_Feature
158 <222> LOCATION: (1)..(1)
159 <223> OTHER INFORMATION: Xaa is Ser, Ala, Abu, Arg, Lys, Orn, Cit, Leu, Phe or Asn
161 <220> FEATURE:
162 <221> NAME/KEY: Misc_Feature
163 <222> LOCATION: (2)..(2)
164 <223> OTHER INFORMATION: Xaa is Tyr or Met
166 <400> SEQUENCE: 4
-> 167 Xaa Xaa Thr Trp Asn Gln Met Asn Leu
168 1 5
171 <210> SEQ ID NO: 5
172 <211> LENGTH: 9
173 <212> TYPE: PRT
174 <213> ORGANISM: Artificial Sequence
176 <220> FEATURE:
177 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
178 Peptide
180 <400> SEQUENCE: 5
181 Ser Tyr Thr Trp Asn Gln Met Asn Leu
182 1 5
185 <210> SEQ ID NO: 6
186 <211> LENGTH: 9
187 <212> TYPE: PRT
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
192 Peptide
194 <400> SEQUENCE: 6
195 Ala Tyr Thr Trp Asn Gln Met Asn Leu
196 1 5
199 <210> SEQ ID NO: 7
200 <211> LENGTH: 9
201 <212> TYPE: PRT
202 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:
205 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
206 Peptide

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Input Set : A:\2005-09-27 0020-5357PUS1.ST25.txt
Output Set: N:\CRF4\02012006\J528360.raw

208 <220> FEATURE:
209 <221> NAME/KEY: Misc_Feature
210 <222> LOCATION: (1)..(1)
211 <223> OTHER INFORMATION: Xaa is Abu
213 <400> SEQUENCE: 7
-> 214 Xaa Tyr Thr Trp Asn Gln Met Asn Leu
215 1 5
218 <210> SEQ ID NO: 8
219 <211> LENGTH: 9
220 <212> TYPE: PRT
221 <213> ORGANISM: Artificial Sequence
223 <220> FEATURE:
224 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
Peptide
227 <400> SEQUENCE: 8
228 Arg Tyr Thr Trp Asn Gln Met Asn Leu
229 1 5
232 <210> SEQ ID NO: 9
233 <211> LENGTH: 9
234 <212> TYPE: PRT
235 <213> ORGANISM: Artificial Sequence
237 <220> FEATURE:
238 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
Peptide
241 <400> SEQUENCE: 9
242 Lys Tyr Thr Trp Asn Gln Met Asn Leu
243 1 5
246 <210> SEQ ID NO: 10
247 <211> LENGTH: 9
248 <212> TYPE: PRT
249 <213> ORGANISM: Artificial Sequence
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
Peptide
255 <220> FEATURE:
256 <221> NAME/KEY: Misc_Feature
257 <222> LOCATION: (1)..(1)
258 <223> OTHER INFORMATION: Xaa is Orn
260 <400> SEQUENCE: 10
-> 261 Xaa Tyr Thr Trp Asn Gln Met Asn Leu
262 1 5
265 <210> SEQ ID NO: 11
266 <211> LENGTH: 9
267 <212> TYPE: PRT
268 <213> ORGANISM: Artificial Sequence
270 <220> FEATURE:
271 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
Peptide
274 <220> FEATURE:

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Input Set : A:\2005-09-27 0020-5357PUS1.ST25.txt
Output Set: N:\CRF4\02012006\J528360.raw

275 <221> NAME/KEY: Misc_Feature
276 <222> LOCATION: (1)..(1)
277 <223> OTHER INFORMATION: Xaa is Cit
279 <400> SEQUENCE: 11
-> 280 Xaa Tyr Thr Trp Asn Gln Met Asn Leu
281 1 5
284 <210> SEQ ID NO: 12
285 <211> LENGTH: 9
286 <212> TYPE: PRT
287 <213> ORGANISM: Artificial Sequence
289 <220> FEATURE:
290 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
291 Peptide
293 <400> SEQUENCE: 12
294 Leu Tyr Thr Trp Asn Gln Met Asn Leu
295 1 5
298 <210> SEQ ID NO: 13
299 <211> LENGTH: 9
300 <212> TYPE: PRT
301 <213> ORGANISM: Artificial Sequence
303 <220> FEATURE:
304 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
305 Peptide
307 <400> SEQUENCE: 13
308 Phe Tyr Thr Trp Asn Gln Met Asn Leu
309 1 5
312 <210> SEQ ID NO: 14
313 <211> LENGTH: 9
314 <212> TYPE: PRT
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
319 Peptide
321 <400> SEQUENCE: 14
322 Asn Tyr Thr Trp Asn Gln Met Asn Leu
323 1 5
326 <210> SEQ ID NO: 15
327 <211> LENGTH: 9
328 <212> TYPE: PRT
329 <213> ORGANISM: Artificial Sequence
331 <220> FEATURE:
332 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
333 Peptide
335 <400> SEQUENCE: 15
336 Ser Met Thr Trp Asn Gln Met Asn Leu
337 1 5
340 <210> SEQ ID NO: 16
341 <211> LENGTH: 9
342 <212> TYPE: PRT

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/528,360

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Input Set : A:\2005-09-27 0020-5357PUS1.ST25.txt
Output Set: N:\CRF4\02012006\J528360.raw

Please Note:

n or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> <223> fields of each sequence which presents at least one n or Xaa.

//
J#:4; Xaa Pos. 1/2
J#:7; Xaa Pos. 1/
J#:10; Xaa Pos. 1
J#:11; Xaa Pos. 1
J#:17; Xaa Pos. 1
J#:20; Xaa Pos. 1
J#:21; Xaa Pos. 1

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/528,360

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Input Set : A:\2005-09-27 0020-5357PUS1.ST25.txt
Output Set: N:\CRF4\02012006\J528360.raw

167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
214 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
261 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
280 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
369 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
416 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
435 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0